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SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT EP-W-05-042

8 January 2014
20114-091-998-0912-49
DC No. R-7562

Mr. Ted Bzenas
U.S. EPA Region I - New England
Emergency Planning & Response Branch
5 Post Office Square, Suite 100
Mail Code OSRR02-2
Boston, Massachusetts 02109-3912

Subject: Case No. 0855F; SDG No. D31835
ConTest Laboratory Inc., East Longmeadow MA (CONTEST)
Turkey Brook Site, Oakville, Connecticut
Stage_2A_Validation_Manual (S2AVM)

TPH: 20/Soil/D31835-D31854

CERCLIS No.: None
TDD No. 13-09-0009, Task No. 0912-49

Dear Mr. Bzenas:

A Tier 1 validation was performed on the organic analytical data for 20 soil samples collected by WESTON START at the Turkey Brook Site in Oakville, Connecticut. The samples were analyzed under SW-846 by modified method 8015 for petroleum hydrocarbons. Sample analyses were procured by START in accordance with the DAS program. The data were evaluated at a Tier 1 level in accordance with the "EPA New England Environmental Data Review Program Guidance" dated April 22, 2013, and the "USEPA CLP National Functional Guidelines for Superfund Organic Methods" dated June 2008, and were based on the following parameters:

- * X Data Completeness.
- * X Preservation and Technical Holding Times.
- * X Blanks.
- * X DMCs and Surrogate Compounds.
- * X MS/MSD.
- * X LCS Results.
- * X Target Compound Identification.
- * X Compound Quantitation and Reported Quantitation Limits.

- * = No qualifications were applied based on this parameter.

Stage 2A Electronic Data Review Reports could not be used for this SDG.

Overall Evaluation of Data and Potential Usability Issues

The following is a summary of the site investigation/assessment objectives.

- X Collect additional samples to characterize the horizontal and vertical extents of contamination, determine if any additional source areas of contamination exist, and determine if additional actions will be required at the site.

Data Validation did not indicate any data quality problems.

See the attached worksheets for details. The results reported on the Data Summary Table are usable for the site objectives.

The following quality control parameters were evaluated manually for this project.

Holding Times - No qualifications were applied.

Sample Temperature - No qualifications were applied.

Reporting Limits - No qualifications were applied.

LCS/LCSD - No qualifications were applied.

MS/MSD - No qualifications were applied.

Method Blanks - No qualifications were applied.

Surrogates - No qualifications were applied.

Mr. Ted Bzenas
8 January 2014
Page 3 of 3

Case 0855F; SDG D31835

Please contact the undersigned at (978) 552-2100 if you have any questions or need further information.

Very truly yours,

WESTON SOLUTIONS, INC.
Region I START



Bill Mahany
Senior Project Scientist

John Burton
Lead Chemist

cc: Vicki Maynard (EPA New England Data Review Chemist) - DV Letter and Data Tables
START File Copy

Attachments: Acronym List
Data Summary Table 1
DV Worksheets
Field Sampling Notes
Copy of sampler's COC Records
CSF Audit - Evidence Audit Photocopy (Including CSF Receipt/Transfer Form)
DQO Summary Form

ACRONYM LIST ORGANIC DATA VALIDATION

AQ	aqueous	START	Superfund Technical Assessment
AQ FB	aqueous field blank		and Response Team
BB	Bottle Blank	SVOC	semivolatile organic compound
B/N	base/neutral compound	SW	surface water
°C	degrees Celsius	TB	Trip Blank
CC	Continuing Calibration	TCL	Target Compound List
CCV	Continuing Calibration Verification	TDD	Technical Direction Document
CLP	Contract Laboratory Program	TIC	Tentatively Identified Compound
COC	Chain-of-Custody record	TR	Traffic Report
CRQL	Contract Required Quantitation Limit	VOC	volatile organic compound
CSF	Complete SDG File	WESTON	Weston Solutions, Inc.
%D	percent difference		
DAS	Delivery of Analytical Services		
DMC	Deuterated Monitoring Compound		
DQO	Data Quality Objective		
DV	Data Validation		
DW	drinking water		
EB	Equipment Blank		
EPA	Environmental Protection Agency		
GC/ECD	Gas Chromatograph/Electron Capture Detector		
GC/MS	Gas Chromatograph/Mass Spectrometry		
GW	groundwater		
IC	Initial Calibration		
IS	Internal Standard		
kg	kilogram		
L	liter		
LCS	Laboratory Control Sample		
LFB	Laboratory Fortified Blank		
MDL	Method Detection Limit		
:g	microgram		
MS	Matrix Spike		
MSD	Matrix Spike Duplicate		
NA	Not Applicable		
ND	non-detected result		
ng	nanogram		
OSC	On-Scene Coordinator		
PAH	polynuclear aromatic hydrocarbon		
PCB	polychlorinated biphenyl compound		
PEST/PCB	pesticide/polychlorinated biphenyl compound		
PE	Performance Evaluation		
Pos	positive result		
QC	Quality Control		
%R	percent recovery		
RPD	Relative Percent Difference		
RRF	Relative Response Factor		
RSD	Relative Standard Deviation		
SDG	Sample Delivery Group		
SOW	Statement of Work		
SQL	Sample Quantitation Limit		
S/S	soil/sediment		
S/S (m)	soil/sediment medium level		